

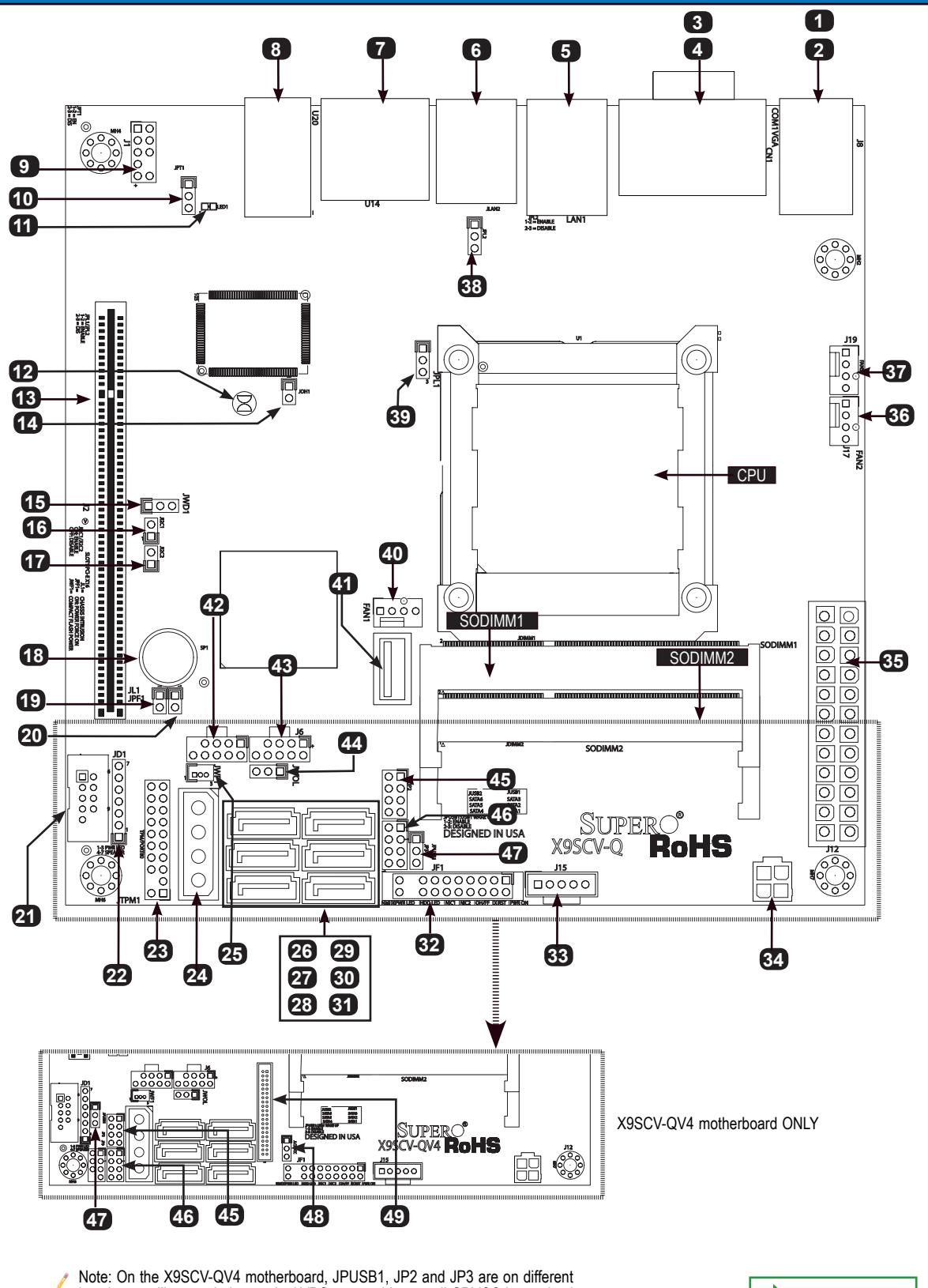
**CONTACT INFORMATION**

- [www.supermicro.com](http://www.supermicro.com) (Email: support@supermicro.com)
- Manuals: <http://www.supermicro.com/support/manuals>
- Drivers & Utilities: [ftp://ftp.supermicro.com](http://ftp.supermicro.com)
- Safety: [http://www.supermicro.com/about/policies/safety\\_information.cfm](http://www.supermicro.com/about/policies/safety_information.cfm)

**PACKAGE CONTENTS** (Applies to individual-pack only)

- One (1) Supermicro Motherboard
- Two (2) SATA Cables
- One (1) I/O Shield
- One (1) Quick Reference Guide

**Motherboard Layout and Features**



*Note: Graphics shown in this quick reference guide are for illustration only. Your components may or may not look exactly the same as drawings shown in this guide.*

**Jumpers, Connectors and LED Indicators**

Jumpers			
Item #	Jumper	Description	Default
10	JPT1	Trusted Platform Module (TPM) Enable	Pins 1-2 (Enabled)
12	JBT1	CMOS Clear	Short contact pads to clear CMOS
15	JWD1	Watch Dog Timer	Pins 1-2 (Reset)
16,17	J12C1/J12C2	SMB to PCI Slots	Open (Disabled)
20	JPF1	Power Force On	Open (Disabled)
38,39	JPL2/JPL1	LAN1/LAN2 Enable	Pins 1-2 (Enabled)
44	JWOL	Wake On LAN	Pins 1-2 (Enabled)
47	JPUSB1	USB Wake-up	Pins 1-2 (Enabled)
48	JLCDVCC	LVDS Voltage Select, 3.3V or 5V	Pins 2-3 (3.3v)

Connectors			
Item #	Connector	Description	
1	PS/2	PS/2 Mouse and Keyboard Combo Back Panel Connector	
2,8	J8, U20	USB4/5, USB0~3 Back Panel Connectors	
3,21	COM1, JP1 (COM2)	COM1 Back Panel Serial Port, COM2 Internal Serial Header	
4	VGA	VGA Back Panel Port	
5,6	LAN1/LAN2	LAN1/LAN2 Back Panel Ports	
7	U14	HDMI1 (Top), HDMI2 Back Panel Ports	
9	J1	Front Panel Audio Header	
11	LED1	Power LED	
13	SLOT1	PCI-E x16 Gen 2 Slot	
14	JOH1	Overheat LED	
18	SP1	Onboard Speaker/Buzzer	
19	JL1	Chassis Intrusion Header	
22	JD1	Power LED/Speaker Header	
23	TPM1	TPM Header	
24	J9	4-pin 12V Power Source for internal Hard Drive/DVD Drive	
25	JWF1	DOM Power Connector	
26~31	I-SATA 6,5,4,3,2,1	SATA Connectors (White connectors: SATA 3, Black: SATA 2)	
32	JF1	Front Panel Control Header	
33	JPI2C	JPI2C, PWR supply (I2C) System Management Bus	
34	J16	4-Pin ATX Power Connector (X9SCV-QV4 Only)	
35	J12	24-Pin ATX Power Connector (X9SCV-Q Only)	
36,37,40	FAN2, FAN3, FAN1	CPU Fan, System Fan and Auxiliary Fan Headers	
41	JUSB1	USB12 (Type A Internal USB Ports)	
42,43	J7, J5	USB10/11, USB6/7 Internal USB Headers	
45,46,49	JP2, JP3 or LVDS	X9SCV-Q: GPIO 1, GPIO 2, Serial General Purpose I/O headers, X9SCV-QV4: LVDS header	

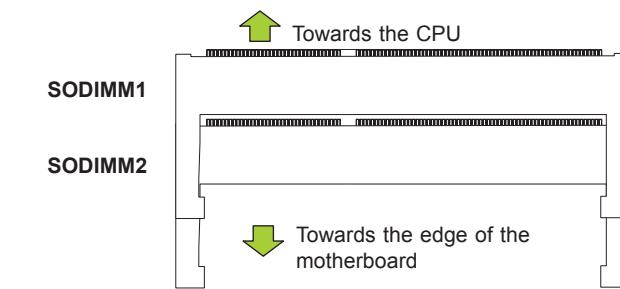
*Note: Refer to Chapter 2 of the User Manual for detailed information on jumpers, connectors, and LED indicators.*

**Memory Support**

This motherboard supports up to 16 GB of DDR3 ECC SODIMMs 1066/1333 MHz memory in 2 SODIMM slots. Supported SODIMM sizes: 2GB, 4GB, 8GB.

*Note: For memory optimization, use only DIMM modules that have been validated by Supermicro. For the latest memory updates, please refer to our website at <http://www.supermicro.com/products/motherboard>.*

**DIMM Installation**



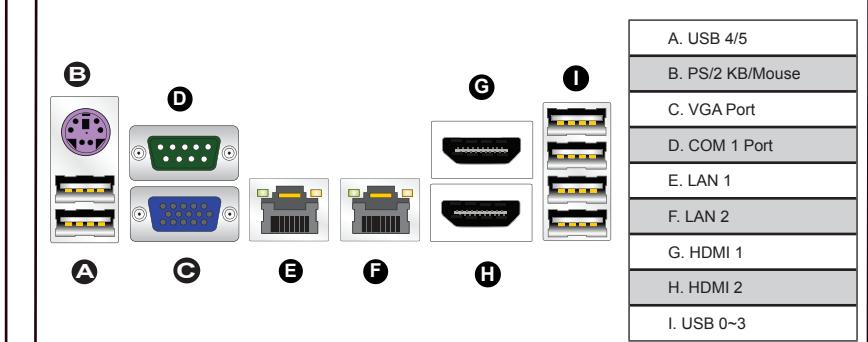
**Memory Population Guidelines**

When installing memory modules, the SODIMM slots should be populated in the following order: SODIMM1, SODIMM2.

**Front Panel Control (JF1)**

	1	2	
Power Button	<input type="radio"/>	<input type="radio"/>	Ground
Reset Button	<input type="radio"/>	<input type="radio"/>	Ground
Vcc	<input type="radio"/>	<input type="radio"/>	Power Fail LED
Vcc	<input type="radio"/>	<input type="radio"/>	OH/Fan Fail LED
Vcc	<input type="radio"/>	<input type="radio"/>	NIC2 LED
Vcc	<input type="radio"/>	<input type="radio"/>	NIC1 LED
Vcc	<input type="radio"/>	<input type="radio"/>	HDD LED
Vcc	<input type="radio"/>	<input type="radio"/>	Power LED
X	<input type="radio"/>	<input type="radio"/>	X
NMI	<input type="radio"/>	<input type="radio"/>	Ground
	19	20	

**Back Panel IO Connectors**



*Note: Refer to Chapter 2 of the User Manual for detailed information on memory support and CPU/motherboard installation instructions.*